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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/711,913	10/13/2004	Chia-Tsui Lan	PMXP0178USA	5912

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EXAMINER

LIANG, LEONARD S

ART UNIT PAPER NUMBER

2853

DATE MAILED: 10/19/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/711,913	LAN, CHIA-TSUI	
	<b>Examiner</b>	<b>Art Unit</b>	
	Leonard S. Liang	2853	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 13 October 2004.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-9 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-9 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 13 October 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

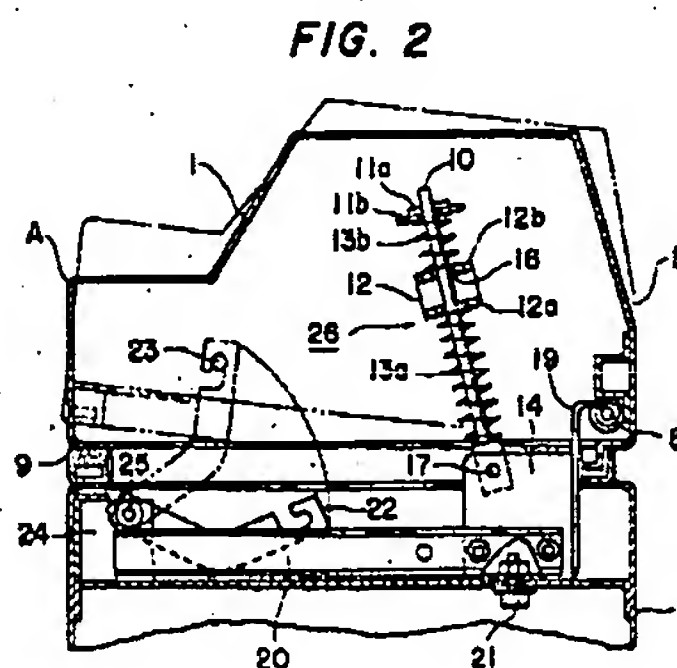
A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-4 and 6-8 are rejected under 35 U.S.C. 102(b) as being anticipated by Miyasaka et al (US Pat 4330219).

Miyasaka et al discloses:

- {claim 1} A machine body (figure 2); a housing (figure 2); an upper body capable of being positioned at a range of angles relative to the housing (figure 2, reference 1); and a hinge (figure 2, reference 5) comprising a support shaft (figure 2, reference 10) connected to the upper body; and a support block (figure 2, reference 12) connected to the housing, the support block comprising a hole (figure 2, reference 16), and the support shaft passing through the hole (figure 2, reference 10) and capable of moving up and down along the hole (column 1, lines 43-47)



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- {claim 2} wherein the support block is rotatably connected to the housing (figure 2, reference 12)
- {claim 3} wherein the hole is a cylindrical hole and the support shaft is a cylindrical shaft (figure 2, reference 10, 16)
- {claim 4} wherein the area of the cross section of the support shaft is constant over the length of the support shaft (figure 2, reference 10)
- {claim 6} wherein the support shaft tightly fits the support block (figure 2, reference 10, 12)
- {claim 7} wherein at least one section of the support shaft tightly fits the support block (figure 2, reference 10, 12)
- {claim 8} housing a multi-function peripheral (abstract; the printer is here considered a multi-function peripheral because it can perform multiple functions such as printing and feeding paper)

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 5 is rejected under 35 U.S.C. 103(a) as being unpatentable over Miyasaka et al (US Pat 4330219) in view of Clements (US Pat 2148014).

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Miyasaka et al discloses, with respect to claim 5, a machine body (as applied to claim 1 above).

Miyasaka et al differs from the claimed invention in that it does not disclose that the material of the support block comprises rubber.

Clements discloses a hinge member fixed to a shaft, which contains a block of rubber (column 3, lines 21).

It would have been obvious to one having ordinary skill in the art at the time the invention was made to incorporate the teachings of Clements into the invention of Miyasaka et al. The motivation for the skilled artisan in doing so is to gain the benefit of absorbing shock (column 3, lines 20-21).

Claim 9 is rejected under 35 U.S.C. 103(a) as being unpatentable over Miyasaka et al (US Pat 4330219) in view of Johnson et al (US Pat 6563598).

Miyasaka et al discloses, with respect to claim 9, a machine body (as applied to claim 1 above), wherein the machine body houses a printer (abstract).

Miyasaka et al differs from the claimed invention in that it does not disclose that the machine body houses a scanner.

Johnson et al discloses, with respect to claim 9, a machine body that houses both a scanner and a printer (abstract).

It would have been obvious to one having ordinary skill in the art at the time the invention was made to incorporate the teachings of Johnson et al into the invention of Miyasaka

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et al. The motivation for the skilled artisan in doing so is to gain the benefit of obtaining a scanning function.

### ***Conclusion***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Hino (JP Pat 11303852 A) discloses a hinge device.

Ashworth et al (US Pat 3488792) discloses a pivot hinge assembly.

Ayers et al (US Pat 4575729) discloses an ink printer pivotal frame.

Chang (US Pat 6690353) discloses a portable computer input device.

Sasamoto et al (US Pat 6142333) discloses a bi-directional lid opening apparatus.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Leonard S. Liang whose telephone number is (571) 272-2148.

The examiner can normally be reached on 8:30-5 Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Meier can be reached on (571) 272-2149. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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**STEPHEN MEIER**  
**SUPERVISORY PATENT EXAMINER**